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(54) **Oral appliance suitable for use as mouth guard**

(57) A sports guard for fitting over the upper arch and teeth of a user is disclosed. The sports guard comprises broadly a base member of polyethylene and a layer of EVA encasing the polyethylene. The polyethylene

and EVA show a surprising and unexpected affinity for each other. They are able to flex with each other and be heated and cooled without delaminating. This provides a solution to a longstanding problem in this art.

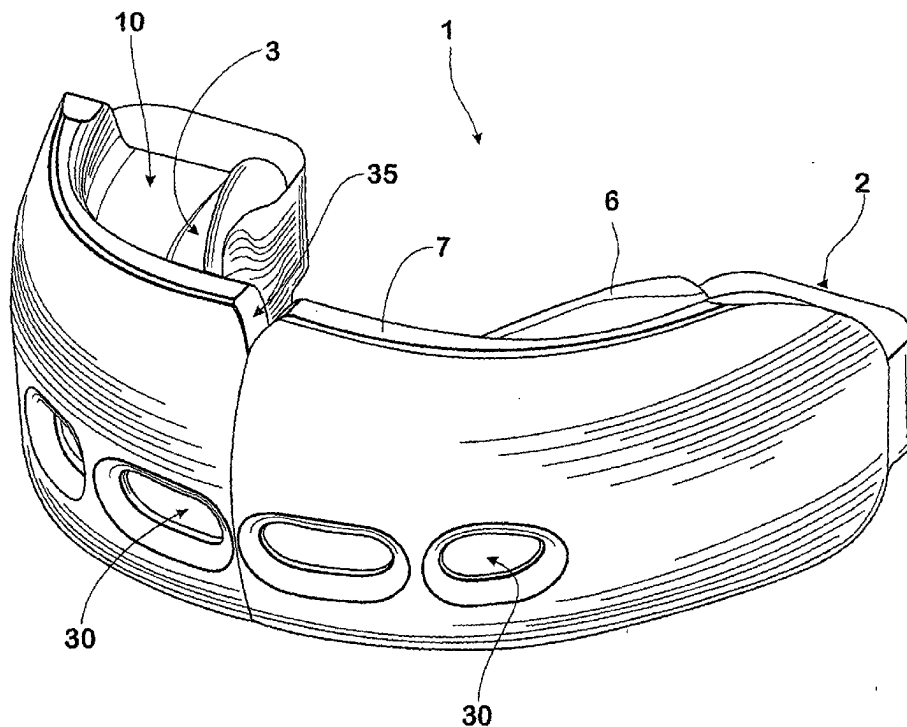


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 07 7657

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	PCT International Preliminary Examination Report and amendments annexed thereto in respect of PCT/AU99/00840, published as W00035369. Made available for public inspection 10 May 2001 (2001.05.10) XP002266625 * the whole document *	1-3, 7-12, 14-19	A63B71/08 A61C7/36 B32B27/32 B32B27/08
A	-& WO 00 35369 A (FARRELL CHRISTOPHER JOHN) 22 June 2000 (2000-06-22) * the whole document *	1-19	
L	US 2003/019497 A1 (FARRELL CHRISTOPHER JOHN) 30 January 2003 (2003-01-30) * the whole document *		
A	US 6 082 363 A (WASHBURN STEVEN J) 4 July 2000 (2000-07-04) * the whole document *	1-19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A63B B32B A61C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 January 2004	Examiner Millward, R
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 07 7657

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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12-01-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003019497 A1	30-01-2003	AU 766536 B2	16-10-2003
		AU 6452799 A	03-07-2000
		WO 0035369 A1	22-06-2000
		CA 2393681 A1	22-06-2000
		EP 1139905 A1	10-10-2001
		ZA 200104896 A	16-09-2002

US 6082363 A	04-07-2000	NONE	
